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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/909,001 08/08/97 VERMEER

F CASE-2

EXAMINER

LMC1/0402

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TRAN.P

ART UNIT

PAPER NUMBER

2746

DATE MAILED:

04/02/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
08/909,001

Applicant(s)
Vermeer

Examiner
Pablo Tran

Group Art Unit
2746



☐ Responsive to communication(s) filed on _____

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-17 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-17 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1 -12 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Stein* (U.S. patent 5,628,055) in view of *Kaschke* (U.S. Patent 5,555,550).

As per claim 1 and 6, *Stein* disclose a wireless terminal comprising:

- an antenna (fig. 1, fig. 13, fig. 10/no. 138, or fig. 11/no. 270);
- a signal lead for carrying an RF signal from said radio to said antenna and from said antenna to said radio and for carrying a first baseband signal from said radio to said first visual indicator for activating said first visual indicator (fig. 10, fig. 11, fig. 13, fig. 14, col. 2/lines 48-64, col. 9/lines 22-39, and col. 10/lines 4-25).

Stein disclose Applicant's invention except for teaching a first visual indicator that indicates to a user of said wireless terminal when a radio is transmitting/receiving. It would have been usefuled to provide mobile telephone with visual indicator that indicates to a user of said wireless terminal when a radio is transmitting/receiving to provide status of such devices . *Kaschke* teach such use

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of visual indicators (fig. 1, fig. 4). In order to provide status of such devices, it would have obvious to one of ordinary skill in the art at the time of Applicant's invention to provided the method of keypad apparatus as taught by *Kaschke* in conjunction with the modular radio communications system as taught by Stein.

As per claim 2 and 7 , *Stein* further disclose the wireless terminal comprising said radio (fig. 10/no. 131);

As per claim 3 and 8, *Stein* further disclose wherein said radio is integral to a PC radio card (fig. 10/no. 131);

As per claim 4 and 9, *Stein* further disclose wherein said signal lead is connected to said radio by a detachable connector (fig. 10/ no. 204, 133, fig. 13/no. 33).

As per claim 5 and 10, *Stein* disclose Applicant's invention except for teaching a second visual indicator that indicates when said radio is receiving/transmitting and wherein said signal lead also carries a second baseband signal from said radio to said second visual indicator. It would have been usefuled to provide mobile telephone with visual indicator that indicates to a user of said wireless terminal when a radio is receiving/transmitting to provide status of such devices . *Kaschke* teach such use of visual indicators that indicates to a user of said wireless terminal when a radio is receiving/transmitting (fig. 1, fig. 4). In order to provide status of such devices, it would have obvious to one of ordinary skill in the art at the time of Applicant's invention to provided the method of keypad apparatus as taught by *Kaschke* in conjunction with the modular radio communications system as taught by Stein.

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As per claim 11, *Stein* further disclose a wireless terminal comprising:

- a radio (fig. 10/no. 131, fig. 13/no. 31);
- an antenna (fig. 1, fig. 13, fig. 10/no. 138, or fig. 11/no. 270);
- a cable that is detachably connected to said radio and that is also connected to said

antenna for carrying an RF signal and for carrying a baseband signal from said radio to said first visual indicator (fig. 10, fig. 11, fig. 13, fig. 14, col. 2/lines 48-64, col. 9/lines 22-39, and col. 10/lines 4-25).

Stein disclose Applicant's invention except for teaching a first visual indicator that indicates to a user of said wireless terminal when a radio is operating. It would have been useful to provide mobile telephone with visual indicator that indicates to a user of said wireless terminal when a radio is operating to provide status of such devices. *Kaschke* teach such use of visual indicators (fig. 1, fig. 4). In order to provide status of such devices, it would have obvious to one of ordinary skill in the art at the time of Applicant's invention to provided the method of keypad apparatus as taught by *Kaschke* in conjunction with the modular radio communications system as taught by *Stein*.

As per claim 12, *Stein* disclose Applicant's invention except for teaching said first visual indicator indicates when said radio is receiving and further comprising a second visual indicator that indicates when said radio is transmitting and wherein said cable also carries a second baseband signal from said radio to said second visual indicator. It would have been usefuled to provide mobile telephone with visual indicator that indicates to a user of said wireless terminal

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when a radio is receiving/transmitting to provide status of such devices . *Kaschke* teach such use of visual indicators that indicates to a user of said wireless terminal when a radio is receiving/transmitting (fig. 1, fig. 4). In order to provide status of such devices, it would have obvious to one of ordinary skill in the art at the time of Applicant's invention to provided the method of keypad apparatus as taught by *Kaschke* in conjunction with the modular radio communications system as taught by *Stein*.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

4. Claims 13-17 are rejected under 35 U.S.C. 102(e) as being anticipated by *Stein* (U.S. patent 5,628,055) .

As per claim 13 , *Stein* further disclose 13. A radio card comprising:

- a radio (fig. 10/no. 131, fig. 13/no. 31);
- a detachable connector (fig. 10/ no. 204, 133, fig. 13/no. 33);
- a first lead for carrying an RF signal from said radio to said detachable

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connector and from said detachable connector to said radio and for carrying a first baseband signal indicative of when said radio is operating (fig. 10, fig. 11, fig. 13, col. 2/lines 48-64, col. 9/lines 22-39, and col. 10/lines 4-25).

As per claim 14 and 15. wherein said first baseband signal is indicative of when said radio is transmitting/receiving (col. 2/lines 48-64, col. 9/lines 22-39)..

As per claim 16 and 17. wherein said first lead also carries a second baseband signal indicative of when said radio is transmitting/receiving (col. 2/lines 48-64, col. 9/lines 22-39).

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kinney et al. (5,708,833), *West et al.* (5,590,346), *Kovanen et al.* (5,448,765), *Robert Bosch GmbH* (EPO 0369 110 A2) disclose method and apparatus for wireless communications system utilizing radio/mem card.

6. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Pablo Tran whose telephone number is (703)308-7941. The fax number for this Group is (703)305-9508.

Any inquiry of a general nature to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)305-3900.

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March 27, 1999

P. Tran

Examiner, Art Unit 2746

A handwritten signature in black ink, appearing to read 'William D. Smith', with a long horizontal line extending to the right.

WILLIAM D. SMITH
SUPERVISORY PATENT EXAMINER
GROUP 2700